

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Masao MURADE

Rule 53(b) Divisional Application
of U.S. Application No. 09/027,469
Filed February 23, 1998

Filed: March 20, 2001

Docket No.: 040342.02

For: AN APPARATUS FOR PROVIDING LIGHT SHIELDING IN A LIQUID CRYSTAL
DISPLAY (AS AMENDED)

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination of the Divisional Application filed on March 19, 2001,
please amend the above-identified application as follows:

IN THE TITLE:

Please change the title to read as follows:

--AN APPARATUS FOR PROVIDING LIGHT SHIELDING IN A LIQUID
CRYSTAL DISPLAY (AS AMENDED)--.

IN THE CLAIMS:

Please cancel claims 1-29 without prejudice to or disclaimer of the subject matter
contained therein.

Please add new claims 30-33 as follows:

--30. A liquid crystal device, comprising:

a liquid crystal substrate including a display region in which pixels are formed in a matrix by a plurality of light shielding data lines and a plurality of scanning lines, a peripheral driving circuit connected to at least one of the data lines and the scanning lines on an outer peripheral side of the display region, and a plurality of thin film transistors connected to the data lines and the scanning lines, and a liquid crystal held between the liquid crystal device substrate and an opposite substrate;

a conductive first light shielding film provided above the liquid crystal substrate, the conductive first light shielding film having a channel light shielding portion for shielding a channel region of the thin film transistor and a peripheral portion formed in the peripheral of pixel regions that is electrically connected to the channel light shielding portion, the conductive first light shielding film extending along with either the data lines or the scanning lines; and

a constant potential wiring being connected to the conductive first light shielding film.--

--31. The liquid crystal device according to claim 30, further comprising:

a peripheral partitioning light shielding film formed in the peripheral of the pixel regions, the peripheral partitioning light shielding film overlapped with the peripheral region of the conductive first light shielding film.--

--32. The liquid crystal device according to claim 30, wherein the channel light shielding portion of the conductive first light shielding film is overlapped with the scanning line and a capacitor line.--

--33. The liquid crystal device according to claim 32, wherein the capacitor line is electrically connected to the peripheral portion of the conductive first light shielding film.--


REMARKS

Claims 1-29 are pending in this application. By this Amendment, claims 1-29 are canceled and claims 30-33 are added.

In view of the foregoing amendments and remarks, Applicant submits that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 30-33 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in better condition for allowance, the Examiner is invited to contact Applicant's undersigned attorney at the telephone number listed below.

Respectfully submitted,



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JAO:JSK/kap
Date: March 19, 2001

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